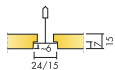


ECOPHON GEDINA™ E + EXTRA BASS

The Gedina™ E ceiling has a recessed visible grid and a tegular edge design. Placed on top of the Gedina E panel is the Extra Bass low frequency absorber. This suspended ceiling system is especially well suited for spaces where low frequency absorption is required.



Ecophon Gedina™ E + Extra Bass



SYSTEM RANGE

| Size, mm | 600x600 | 1200x600 |
|--------------|------------|----------|
| T24 | • | • |
| T15 | • | • |
| Extra Bass | • | • |
| Thickness | 15 | 15 |
| Inst. Diagr. | M377, M380 | M377 |



Gedina E tile



Section of Gedina E + Extra Bass system



Gedina E system

TYPE OF APPLICATION

- Education

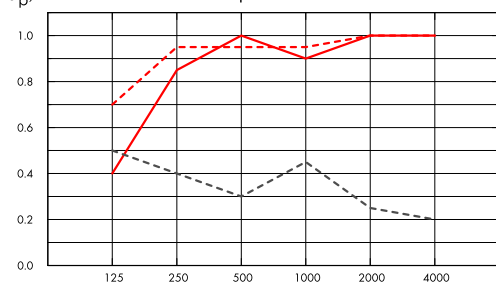


ACOUSTIC

Sound Absorption

Test results according to EN ISO 354. Classification according to EN ISO 11654.

α_p , Practical sound absorption coefficient



- Gedina E 15 mm, 200 mm o.d.s.
 - - - Gedina E 15 mm + Extra Bass 50 mm, 200 mm o.d.s.
 - - - Gedina E/gamma 15 mm, 200 mm o.d.s.
- o.d.s = overall depth of system

| | THK mm | o.d.s. mm | α_p , Practical sound absorption coefficient | | | | | | α_w | Sound absorption class |
|--------------|--------|-----------|---|--------|--------|---------|---------|---------|------------|------------------------|
| | | | 125 Hz | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz | | |
| - | 15 | 200 | 0.40 | 0.85 | 1.00 | 0.90 | 1.00 | 1.00 | 1.00 | A |
| + Extra Bass | 65 | 200 | 0.70 | 0.95 | 0.95 | 0.95 | 1.00 | 1.00 | 1.00 | A |
| gamma | 15 | 200 | 0.50 | 0.40 | 0.30 | 0.45 | 0.25 | 0.20 | 0.30 | D |



INDOOR AIR QUALITY

| Certificate / Label | |
|------------------------------|----------|
| Eurofins Indoor Air Comfort® | IAC Gold |
| French VOC | A+ |





CARBON FOOTPRINT

Life-cycle stages A1 to C4 from EPD, in conformity with ISO 14025 / EN 15804

| | kg CO ₂ equiv/m ² |
|------------|--|
| Gedina E | 2,62 (Gedina family EPD in conformity with ISO 14025 / EN 15804) |
| Extra Bass | 1,62 (Extra Bass EPD in conformity with ISO 14025 / EN 15804) |



CIRCULARITY

| | |
|---|------------------|
| Minimum post-consumer recycled content - Gedina A | 44% |
| Minimum post-consumer recycled content - Extra Bass | 66% |
| Recyclability | Fully recyclable |



FIRE SAFETY

The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182.

| Country | Fire standard | Class |
|---------|---------------|----------|
| Europe | EN 13501-1 | A2-s1,d0 |



HUMIDITY RESISTANCE

Class C, relative humidity 95% and 30°C, according to EN 13964:2014



VISUAL APPEARANCE

White 500, nearest NCS colour sample S 0500-N, 84% light reflectance.



MECHANICAL PROPERTIES

See table about Max live load and Min load bearing capacity and Functional demands, Mechanical properties at www.ecophon.com.



CLEANABILITY

Daily dusting and vacuum cleaning. Weekly wet wiping.



ACCESSIBILITY

The tiles are easily demountable. Minimum demounting depth according to installation diagrams.



INSTALLATION

Installed according to installation diagrams, installation guides and drawing aid. For information regarding minimum overall depth of system see quantity specification.



SYSTEM WEIGHT

Weight information is indicative and subject to variation.

| | kg/m ² |
|--------------------------------------|-------------------|
| Gedina E | 1,3 |
| Gedina E + Connect grid system | 2,3 |
| Gedina E/Gamma | 1,7 |
| Gedina E/Gamma + Connect grid system | 2,7 |

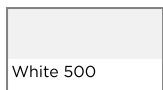


CE

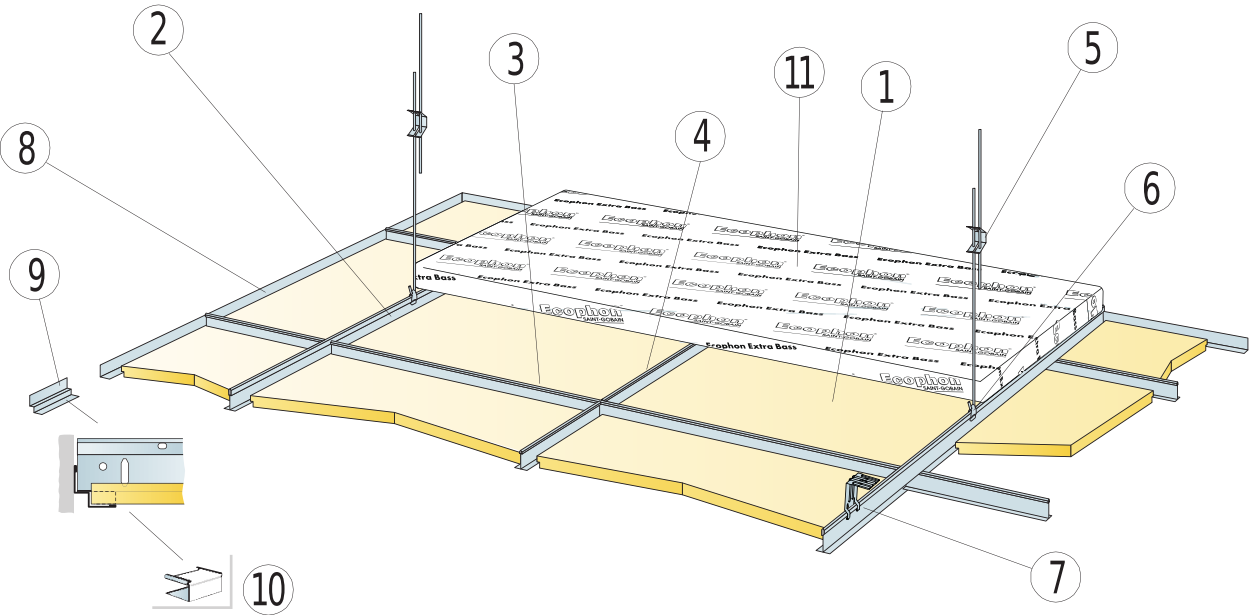
Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.

COLOURS AND DESIGN

Akutex T white



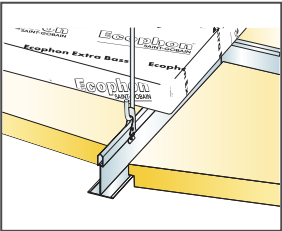
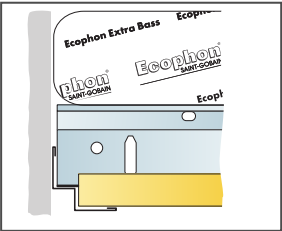
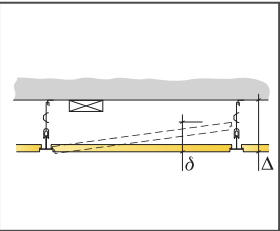
Suspended ceiling with Extra Bass



Installation diagram (M377) for Ecophon Gedina E + Extra Bass

Quantity specification (excl. wastage)

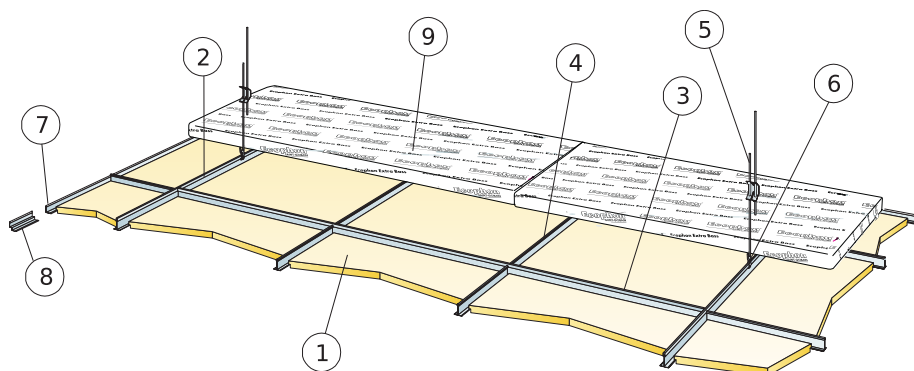
| | Size, mm | |
|--|---------------------|---------------------|
| | 600x600 | 1200x600 |
| 1 Gedina E | 2,8/m ² | 1,4/m ² |
| 2 Connect T24 or T15 Main runner, installed at 1200 mm centres (max. distance from wall 600 mm, can be extended up to 1200 mm if no live load between Main runner and wall). | 0,9m/m ² | 0,9m/m ² |
| 3 Connect T24 or T15 Cross tee, L=1200 mm, installed at 600 mm centres | 1,7m/m ² | 1,7m/m ² |
| 4 Connect T24 or T15 Cross tee, L=600 mm | 0,9m/m ² | - |
| 5 Connect Adjustable Hanger, installed at 1200 mm centres (max. distance from wall 600 mm) | 0,7/m ² | 0,7/m ² |
| 6 Connect Hanger Clip (not to be used in swimming hall environments) | 0,7/m ² | 0,7/m ² |
| 7 For direct installation: Connect Direct Bracket, installed at 1200 mm centres | 0,7/m ² | 0,7/m ² |
| 8 Connect Angle Trim, fixed at 300 mm centres | as required | as required |
| 9 Connect Shadow-line Trim, fixed at 300 mm centres | as required | as required |
| 10 Connect E-plug 0158/0154 (for Connect Shadow-line Trim) | as required | as required |
| 11 Extra Bass (1200x600x50 mm) | 0,7/m ² | 0,7/m ² |
| 12 | - | - |
| Δ Min. overall depth of system: 110 mm | - | - |
| δ Min. demounting depth T15: 110 mm, T24: 90 mm (tiles without Extra Bass above) | - | - |



| Size, mm | Max live load (N) | Min load bearing capacity (N) |
|-------------|-------------------|-------------------------------|
| 600x600x15 | 50 | 160 |
| 1200x600x15 | 50 | 160 |

Live load/load bearing capacity

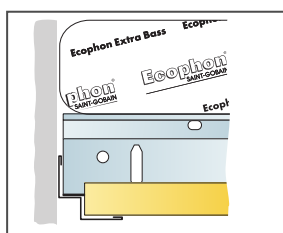
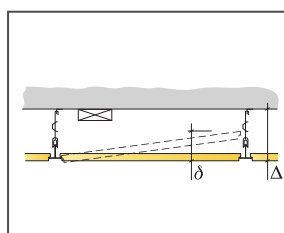
Suspended ceiling with Extra Bass



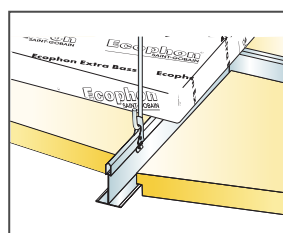
Installation diagram (M380) for Ecophon Gedina E + Extra Bass, Connect T24 Main runner installed at 1800 mm centres

Quantity specification (excl. wastage)

| | Size, mm |
|---|----------------------|
| | 600x600 |
| 1 Gedina E | 2,8/m ² |
| 2 Connect T24 Main runner, installed at 1800 mm centres (max. distance from wall 600 mm, can be extended up to 1200 mm if no live load between Main runner and wall). | 0,56m/m ² |
| 3 Connect T24 Cross tee, L=1800 mm | 1,7m/m ² |
| 4 Connect T24 Cross tee, L=600 mm centres | 1,1m/m ² |
| 5 Connect Adjustable hanger, installed at 1200 mm centres (max. distance from wall 600 mm) | 0,46/m ² |
| 6 Connect Hanger clip | 0,46/m ² |
| 7 Connect Angle trim, fixed at 300 mm centres | as required |
| 8 Alt. Connect Shadow-line Trim, fixed c300 | as required |
| 9 Extra Bass (1200x600x50 mm) | 0,7/m ² |
| 10 | - |
| Δ Min. overall depth of system: 110 mm | - |
| δ Min. demounting depth: 120 mm (tiles without Extra Bass above) | - |



Straight cut, panel resting on shadow-line trim.



Suspension with adjustable hanger and clip

| | | |
|------------|-------------------|-------------------------------|
| Size, mm | Max live load (N) | Min load bearing capacity (N) |
| 600x600x15 | 20 | 160 |

Live load/load bearing capacity